

4x2 HDMI® 4K/60 Matrix Switcher w/ HDR & EDID Management

Cross switch 4-HDMI sources to 2-HDMI displays w/4K/60Hz + HDR + Control

MPN: HDMX42-18G



The **KanexPro HDMX42-18G** is an easy to use, cost-effective 4K/60Hz with 4:4:4, 16-bit Deep Color, HDR (High Dynamic Range) and HD audio formats based on HDMI 2.0 specs. Designed with 4-inputs and 2-outputs. For swift switching and routing of any HDMI sources such as laptops, Blu-ray players, and 4K based Apple TV to any four displays. This matrix switcher is HDCP 2.2 compliant and supports 4K@60Hz, 4:2:0 video. It can be controlled via front panel buttons, IR remote and RS232 commands.

EDID Management & Control

Includes five pre-defined internal EDIDs and two external EDID options are available for EDID management. The unit provides intuitive front panel controls as well as RS-232, Telnet, WebGUI and IR remote control options.

Applications:

Ideal for classrooms, corporate offices, retail stores and home theaters where there is a need to route four HDMI sources to two 4K/60 displays.

FEATURES

- Switch 4 HDMI devices to 2 Displays with 4K/60 + HDR & 4:4:4
- Supports the matrix routing of four 18Gbps HDMI inputs to two 18Gbps HDMI outputs
- Supports resolutions up to 4096x2160@60Hz (4:4:4, 8-bit)
- HDMI 2.0 and DVI 1.0 compliant
- HDCP 1.4 and 2.2 compliant
- Maximum data rate up to 18Gbps with Deep Color support up to 16-bit at 1080p
- Supports pass-through of LPCM 7.1, Bit stream and HD Bit stream audio formats
- Supports EDID management via five pre-defined internal EDIDs and two external EDID options
- Multiple control interfaces including RS-232, Telnet, WebGUI and IR remote
- Backed by KanexPro 3-year parts and labor warranty

SPECIFICATIONS

Video Bandwidth: 600MHz/18Gbps

Input Ports: 4 x HDMI

Output Ports: 2 x HDMI

Control Interfaces:

1 x IR Extender (3.5mm) 1 x RS-232 (9-pin D-sub) 1 x IP Control (RJ45)

Output Signal: 1 x HDBaseT

Output Connector: 1 x RJ-45

Supported Resolutions:

480i@60Hz - 4K@60Hz (4:4:4, 8-bit)
VGA@60Hz - WUXGA@60Hz (RB)

HDMI Cable Length:

10m (1080p@60Hz, 12-bit)
3m (4K@60Hz, 4:4:4, 8-bit)

IR Frequency:

30 - 50kHz (30 - 60kHz under ideal conditions)

Baud Rate: 115200bps

Power Supply:

5V/2.6A DC (US/EU standards, CE/FCC/UL certified)

ESD Protection:

±12kV (Air Discharge)
±8kV (Contact Discharge)

Dimensions:

Case Only: 9.4" x 1.8" x 4.4" (WxHxD)
[All Inclusive]

Weight: (1.75 lbs) 796g

Chassis Material: Metal

Silkscreen Color: Silver

Operating Temperature:

0°C - 40°C/32°F - 104°F

Storage Temperature:

-20°C - 60°C/-4°F - 140°F

Relative Humidity:

20 - 90% RH (Non-condensing)

Power Consumption: 7.106 Watts

DIAGRAM

